

## EAST Search History

| Ref # | Hits  | Search Query   | DBs                                    | Default Operator | Plurals | Time Stamp       |
|-------|-------|--|--|------------------|---------|------------------|
| L1    | 4     | ("5719800" "6636910" "7002884" ).<br>pn. "20030191889"                                   | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR               | OFF     | 2007/02/05 17:51 |
| S1    | 72208 | smart "s.m.a.r.t."   | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR               | OFF     | 2007/02/01 13:41 |
| S2    | 12446 | tec "t.e.c." (threshold\$ adj2 exceed\$3<br>adj2 condition\$3)                           | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR               | OFF     | 2007/02/01 13:32 |
| S3    | 75109 | international-business-\$.as. compaq-\$.<br>as. seagate-\$.as. western-digita\$.as.      | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR               | OFF     | 2007/02/01 13:33 |
| S4    | 19    | S1 and S2 and S3   | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR               | OFF     | 2007/02/01 13:38 |
| S5    | 353   | (S1 and S2) not S4   | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR               | OFF     | 2007/02/01 13:38 |
| S6    | 399   | S2 same ((temperature\$1 heat\$3)<br>near6 (exceed\$3 over above excessive<br>over))     | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR               | OFF     | 2007/02/01 13:40 |
| S7    | 8     | S1 and S6  | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR               | OFF     | 2007/02/01 13:43 |
| S8    | 72235 | smart "s.m.a.r.t." (self adj1 monitor\$3<br>adj1 (analysis analyz\$3) adj1<br>report\$3) | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR               | OFF     | 2007/02/01 13:42 |
| S10   | 22512 | ("4th" "4-th" fourth) near6<br>(temperature heat thermal)                                | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR               | OFF     | 2007/02/01 13:47 |
| S11   | 834   | S10 with (threshold\$1 level\$1<br>bound\$1 boundar\$3 limit\$1)                         | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR               | OFF     | 2007/02/01 13:48 |

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|-----|-------|---|--|----|-----|------------------|
| S12 | 29    | S11 and g06f\$  | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/01 13:49 |
| S13 | 42694 | (heat temperature thermal) near6<br>(threshold\$1 level\$1 bound\$1<br>boundar\$3 limit\$1) near6 (exceed\$3<br>over above excessive over cross\$3) | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 13:50 |
| S14 | 68330 | (diagnostic\$1 monitor\$3 analysis<br>analyz\$3 analiz\$3) near6 (suspend\$3<br>off halt\$3 stop\$4 down)   | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 13:54 |
| S15 | 93    | S13 with S14  | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 13:52 |
| S16 | 18    | S15 and g06f\$  | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 13:52 |
| S17 | 2246  | (diagnostic\$1) near3 (suspend\$3 off<br>halt\$3 stop\$4 down)  | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 13:55 |
| S18 | 0     | S13 same S17  | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 13:55 |
| S19 | 15    | ("self-monitoring") near3 (suspend\$3<br>off halt\$3 stop\$4 down)  | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 13:56 |
| S20 | 725   | ("self-monitoring" SMART "S.M.A.R.T."<br>) near3 (suspend\$3 off halt\$3 stop\$4<br>down)   | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 14:00 |
| S21 | 217   | S20 and g06f\$  | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 13:58 |
| S22 | 14    | (S20 same ((hard adj1 (drive\$1<br>disk\$1)) storage mass)) and g06f\$  | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 13:59 |
| S23 | 725   | ("self-monitoring" "SMART" "S.M.A.R.<br>T.") near3 (suspend\$3 off halt\$3<br>stop\$4 down)   | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 14:01 |

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|     |      |  |  |    |     |                  |
|-----|------|--|--|----|-----|------------------|
| S24 | 15   | ("self-monitoring" "S.M.A.R.T.") near3 (suspend\$3 off halt\$3 stop\$4 down) | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 14:02 |
| S25 | 3    | ("self-monitoring" "S.M.A.R.T.") same S13                                    | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 14:03 |
| S26 | 208  | ("self-monitoring" "S.M.A.R.T." diagnostic\$1) same S13                      | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 14:03 |
| S27 | 55   | ("self-monitoring" "S.M.A.R.T." diagnostic\$1) with S13                      | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 14:20 |
| S28 | 9    | S27 and g06f\$   | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 14:04 |
| S29 | 16   | S27 same (suspend\$3 off halt\$3 stop\$4 down)                               | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 14:07 |
| S30 | 1    | S29 and g06f\$   | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 14:05 |
| S31 | 1749 | (monitor\$3 diagnostic\$1) with S13  | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 14:07 |
| S32 | 208  | S31 with (suspend\$3 off halt\$3 stop\$4 down)                               | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 14:07 |
| S33 | 5    | S32 and "713".clas.  | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 14:11 |
| S34 | 28   | S32 and g06f\$   | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 14:11 |
| S35 | 23   | S34 not S33  | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 14:11 |

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|     |      |   |  |    |     |                  |
|-----|------|---|--|----|-----|------------------|
| S36 | 76   | smart near10 (self adj1 monitor\$3<br>adj1 analysis adj1 report\$3)   | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 14:19 |
| S37 | 1918 | (monitor\$3 analy\$4 diagnostic\$1) with<br>S13   | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 14:21 |
| S38 | 221  | S37 with (suspend\$3 off halt\$3 stop\$4<br>down)   | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 15:05 |
| S39 | 0    | S36 and S38   | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 14:22 |
| S40 | 1    | S37 and S36   | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 15:05 |
| S41 | 223  | off\$line near2 diagnostic\$1   | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 15:05 |
| S42 | 34   | S41 near10 (suspend\$3 off halt\$3<br>stop\$4 down)   | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 15:06 |
| S43 | 28   | S42 and g06f\$  | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 15:06 |
| S44 | 1    | S43 and S13   | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 15:07 |
| S45 | 1    | S42 and S13   | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 15:07 |
| S46 | 1    | ((mass adj1 storage) (peripheral adj1<br>device)) and (reducing near3 offline<br>near3 activities) and (reducing near3<br>operational near3 speed) and<br>(reducing near3 power near3<br>consumption)).clm. | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/02 15:37 |

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|     |     |   |  |    |     |                  |
|-----|-----|---|--|----|-----|------------------|
| S47 | 600 | (suspend\$4 stop\$4 halt\$4) near3<br>diagnostic\$2             | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/05 10:55 |
| S48 | 8   | S47 same (power\$4 near3 (sav\$4<br>consum\$7 low\$4 reduc\$4)) | US-PGPUB;<br>USPAT;<br>EPO;<br>IBM_TDB | OR | OFF | 2007/02/05 10:57 |